

CAGGAGCTCAGCTGCAGGAGGCAGGATGGTCTGGAGGCTGGTCCTGCTGGCT
 CTGTGGGTGTGGCCAGCACGCAAGCTGGTCACCAGGACAAAGACACGACCT
 TCGACCTTTTCAGTATCAGCAACATCAACCGCAAGACCATTGGCGCCAAGCA
 GTTCCGCGGGCCCGACCCCGGCGTGCCGGCTTACCGCTTCGTGCGCTTTGACT
 ACATCCCACCGGTGAACGCAGATGACCTCAGCAAGATCACCAAGATCATGCG
 GCAGAAGGAGGGCTTCTTCTCACGGCCAGCTCAAGCAGGACGGCAAGTCC
 AGGGGCACGCTGTTGGCTCTGGAGGGCCCCGGTCTCTCCAGAGGCAGTTCCG
 AGATCGTCTCCAATGGCCCCGCGGACACGCTGGATCTCACCTACTGGATTGA
 CGGCACCCGGCATGTGGTCTCCTGGAGGACGTGCGCCTGGCTGACTCGCAG
 TGAAGAACGTCACCGTGCAGGTGGCTGGCGAGACCTACAGCTTGCACGTGG
 GCTGCGACCTCATAGACAGCTTCGCTCTGGACGAGCCCTTCTACGAGCACCT
 GCAGGCGGAAAAGAGCCGGATGTACGTGGCCAAAGGCTCTGCCAGAGAGAG
 TCACTTCAGGGGTTTGCTTCAGAACGTCCACCTAGTGTGAAAACCTCTGTGG
 AAGATATTCTAAGCAAGAAGGGTTGCCAGCAAGGCCAGGGAGCTGAGATCA
 ACGCCATCAGTGAGAACACAGAGACGCTGCGCCTGGGTCCGCATGTCACCAC
 CGAGTACGTGGGCCCCAGCTCAGAGAGGAGGCCCCGAGGTGTGCGAACGCTC
 GTGCGAGGAGCTGGGAAACATGGTCCAGGAGCTCTCGGGGCTCCACGTCTC
 GTGAACCAGCCCAGCGAGAACCTCAAGAGAGTGTGGAATGATAACCAGTTTC
 TCTGGGAGCTCATTGGTGGCCCTCCTAAGACAAGGAACATGTCAGCTTGCTG
 GCAGGATGGCCGGTTCTTTGCGGAAAATGAAACGTGGGTGGTGGACAGCTGC
 ACCACGTGTACCTGCAAGAAATTTAAAACCATTTGCCACCAAATCACCTGCC
 CGCCTGCAACCTGCGCCAGTCCATCCTTTGTGGAAGGCGAATGCTGCCCTTCC
 TGCCTCCACTCGGTGGACGGTGAGGAGGGCTGGTCTCCGTGGGCAGAGTGGA
 CCCAGTGCTCCGTGACGTGTGGCTCTGGGACCCAGCAGAGAGGCCGGTCTG
 TGACGTACCCAGCAACACCTGCTTGGGGCCCTCCATCCAGACACGGGCTTGC
 AGTCTGAGCAAGTGTGACACCCGCATCCGGCAGGACGGCGGCTGGAGCCACT
 GGTACCTTGGTCTTCATGCTCTGTGACCTGTGGAGTTGGCAATATCACACGC
 ATCCGTCTCTGCAACTCCCCAGTGCCCCAGATGGGGGGCAAGAATTGCAAAG
 GGAGTGGCCGGGAGACCAAAGCCTGCCAGGGCGCCCCATGCCCAATCGATG
 GCCGCTGGAGCCCCTGGTCCCCGTGGTCCGCTGCACTGTACCTGTGCCGGT
 GGGATCCGGGAGCGCACCCGGGTCTGCAACAGCCCTGAGCCTCAGTACGGAG
 GGAAGGCCTGCGTGGGGGATGTGCAGGAGCGTCAGATGTGCAACAAGAGGA
 GCTGCCCCGTGGATGGCTGTTTATCCAACCCCTGCTTCCCGGGAGCCCAGTGC
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 GGGCAATGGCACCCACTGTGAGGACCTGGACGAGTGTGCCCTGGTCCCCGAC
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 CCACTGCCTGCCCTGCCCGCCCCGATACAGAGGGAACCAGCCCGTCCGGGTC
 GGCTTGAAGCAGCCAAGACGGAAAAGCAAGTGTGTGAGCCCGAAAACCA
 TGCAAGGACAAGACACAACTGCCACAAGCACGCGGAGTGCATCTACCTG
 GGCCACTTCAGCGACCCCATGTACAAGTGCGAGTGCCAGACAGGCTACGCGG
 GCGACGGGCTCATCTGCGGGGAGGACTCGGACCTGGACGGCTGGCCCAACCT
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 CCCCATCTGCCAAATTCTGGGCAGGAAGACTTTGACAAGGACGGGATTGGCG
 ATGCCTGTGATGATGACGATGACAATGACGGTGTGACCGATGAGAAGGACAA
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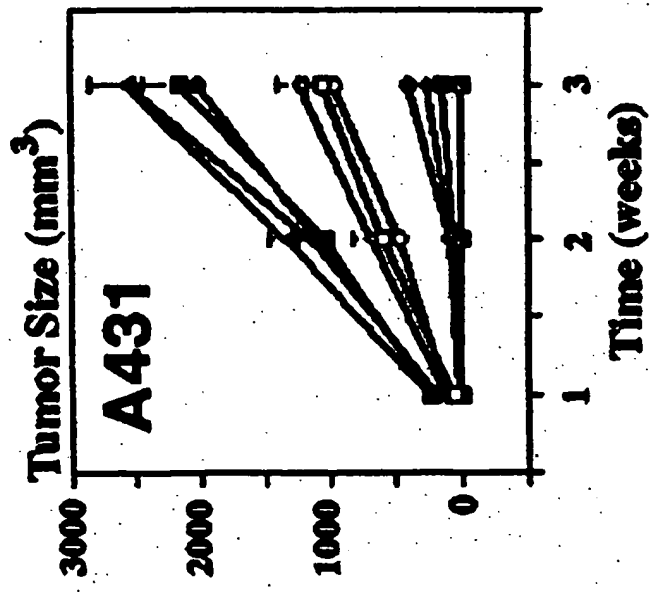
FIG. 1A

CAGACAACAATGGAGAGGGTGACGCCTGCTCCGTGGACATTGATGGGGACG
ATGTCTTCAATGAACGAGACAATTGTCCCTACGTCTACAACACTGACCAGAG
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CACAACCCTGACCAGACCGACGTGGACAATGACCTTGTTGGGGACCAGTGTG
ACAACAACGAGGACATAGATGACGACGGCCACCAGAACAACCAGGACAACCT
GCCCCCTACATCTCCAACGCCAACCAGGCTGACCATGACAGAGACGGCCAGGG
CGACGCCTGTGACCCTGATGATGACAACGATGGCGTCCCCGATGACAGGGAC
AACTGCCGGCTTGTTGTTCAACCCAGACCAGGAGGACTTGGACGGTGATGGAC
GGGGTGATATTTGTAAAGATGATTTTGACAATGACAACATCCCAGATATTGA
TGATGTGTGTCCTGAAAACAATGCCATCAGTGAGACAGACTTCAGGAACCTC
CAGATGGTCCCCCTTGGATCCCAAAGGGACCACCCAAATTGATCCCAAACCTGGG
TCATTCGCCATCAAGGCAAGGAGCTGGTTCAGACAGCCAACTCGGACCCCCGG
CATCGCTGTAGGTTTTGACGAGTTTTGGGTCTGTGGACTTCAGTGGCACATTCT
ACGTAAACACTGACCGGGACGACGACTATGCCGGCTTCGTCTTTGGTTACCA
GTCAAGCAGCCGCTTCTATGTGGTGATGTGGAAGCAGGTGACGCAGACCTAC
TGGGAGGACCAGCCCACGCGGGCCTATGGCTACTCCGGCGTGTCCCTCAAGG
TGGTGAACCTCCACCACGGGGACGGGCGAGCACCTGAGGAACGCGCTGTGGC
ACACGGGGAACACGCCGGGGCAGGTGCGAACCTTATGGCACGACCCCAGGA
ACATTGGCTGGAAGGACTACACGGCCTATAGGTGGCACCTGACTCACAGGCC
CAAGACCGGCTACATCAGAGTCTTAGTGATGAAGGAAAACAGGTCATGGCA
GACTCAGGACCTATCTATGACCAAACCTACGCTGGCGGGCGGCTGGGTCTAT
TTGTCTTCTCTCAAGAAATGGTCTATTTCTCAGACCTCAAGTACGAATGCAGA
GATATTTAAACAAGATTTGCTGCATTTCCGGCAATGCCCTGTGCATGCCATGG
TCCCTAGA

FIG. 18

MVWRLVLLALWVWPSTQAGHQDKDTTFDLFSISNINRKTIGAKQFRGPDGPVPA
YRFVRFDYIPPVNADDLSKITKIMRQKEGFLTAQLKQDGKSRGTLLEGPGLS
QRQFEIVSNGPADTLDLTYWIDGTRHVVSLEDVGLADSQWKNVTVQVAGETYS
LHVGCDLIDSFALDEPFYHLQAEKSRMYVAKGSARESHFRGLLQNVHLVFENS
VEDILSKKGCQQGQGAENAISENTETLRLGPHVTTEYVGPSSERRPEVCERSCEE
LGNMVQELSGHLVNLNQPSENLRVSNQFLWELIGGPPKTRNMSACWQDGR
FFAENETWVVDSCCTTCTCKKFKTICHQITCPPATCASPSFVEGECCPSCLHSVDGE
EGWSPWAEWTQCSVTCGSGTQQRGRSCDVTSTNTCLGPSIQTRACSLSKCDTRIR
QDGGWSHWSPWSSCSVTCGVGNITRIRLNCSPVPQMGGKNCKGSGRETKACQG
APCPIDGRWSPWSPWSACTVTCAGGIRERTRVCNSPEPQYGGKACVGDVQERQ
MCNKRSCPVDGCLSNPCFPGAQCSSFPDGSWSCGSCPVGFLGNGTHCEDLDECA
LVPDICFSTSKVPRCVNTQPGFHCLPCPPRYRGNQPVGVGLEAAKTEKQVCEPEN
PCKDKTHNCHKHAECIYLGHFSDPMYKCECQTGYAGDGLICGEDSDLDGWPNL
NLVCATNATYHCIKDNCPLPNSGQEDFDKDGIGDACDDDDNDGVTDEKDNC
QLLFNPRQADYDKDEVGDRCNCPYVHNPAQIDTDNNGEGDACSVDIDGDDVF
NERDNCPYVYNTDQRDTDGDGVGDHCDNCPLVHNPDQTDVDNDLVGDQCDN
NEDIDDDGHQNNQDNCPYISNANQADHNRDGGQDACDPDDNDGVPDDRDN
RLVFNPQEDLDGDGRGDICKDDFDNDNIPDIDDVCPENNAISETDFRNFQMVPL
DPKGTQIDPNWVIRHQGKELVQTANSDPGIAGVFDEFGSVDFSGTFYVNTDRD
DDYAGFVFGYQSSSRFYVVMWKQVTQTYWEDQPTRAYGYSGVSLKVVNSTTG
TGEHLRNALWHTGNTPGQVRTLWHDPRNIGWKDYTAIRWHLTHRPKTGYIRV
LVHEGKQVMADSGPIYDQTYAGGRLGLFVFSQEMVYFSDLKYECRDI

FIG. 2



Parental	9	12	15	4	5	6	6	16	18	1	2	3
Control												
TSP-1+												
TSP-2+												
TSP-1+/TSP-2+												

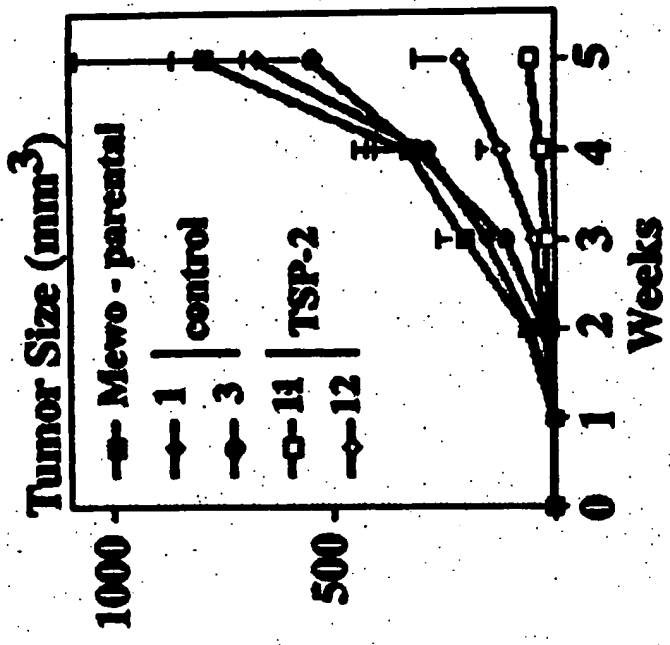


Fig. 3

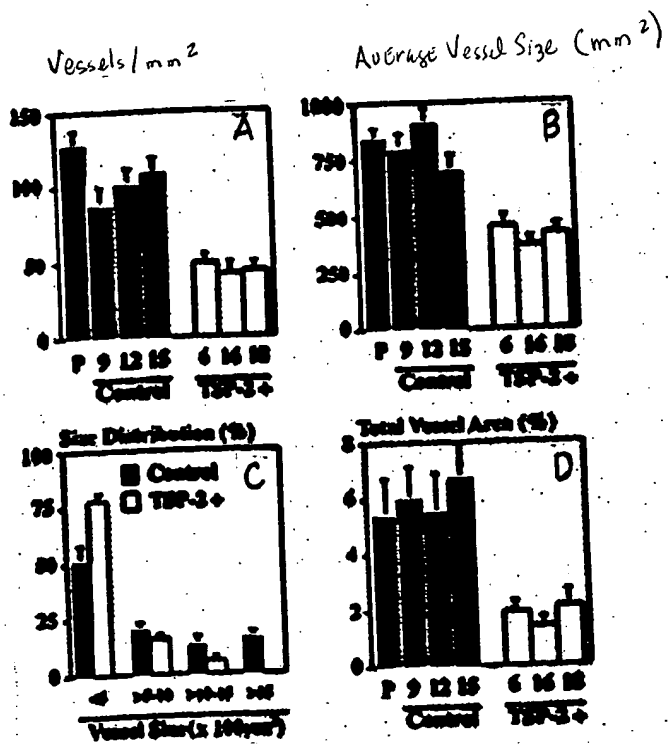
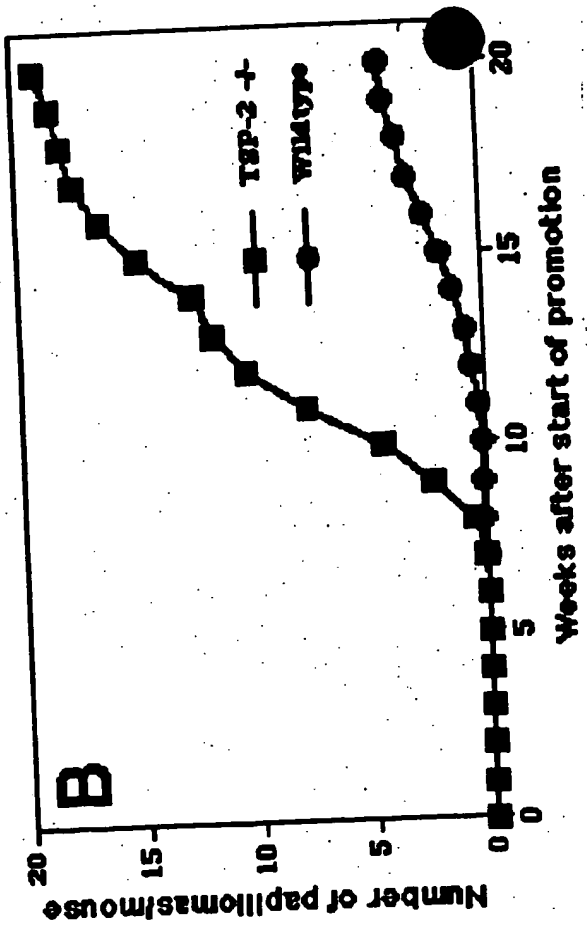
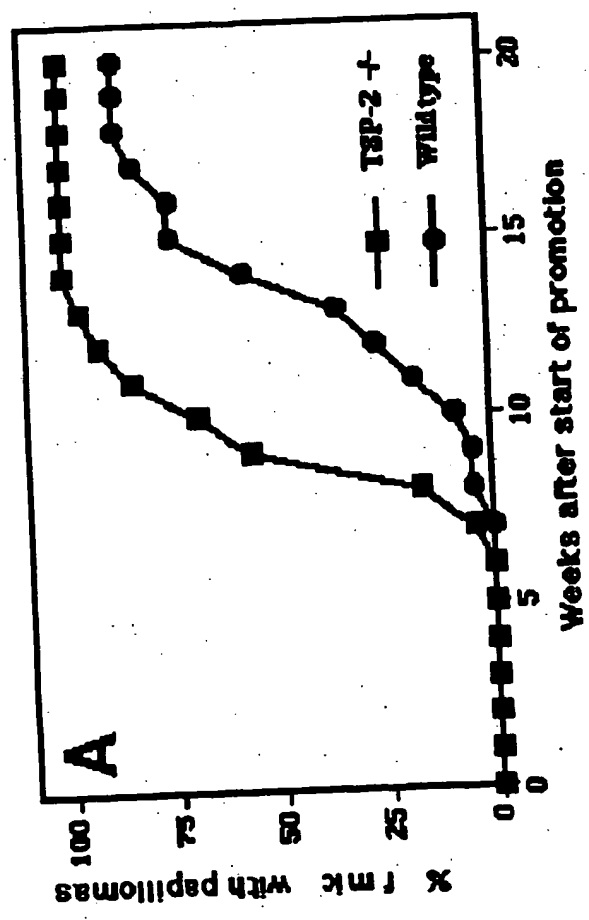


Fig. 4

Fig 5



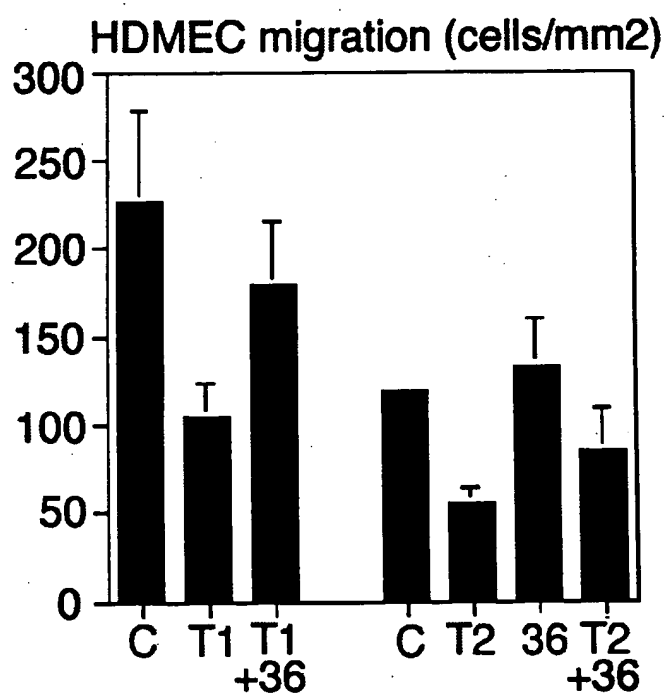


Fig. 6

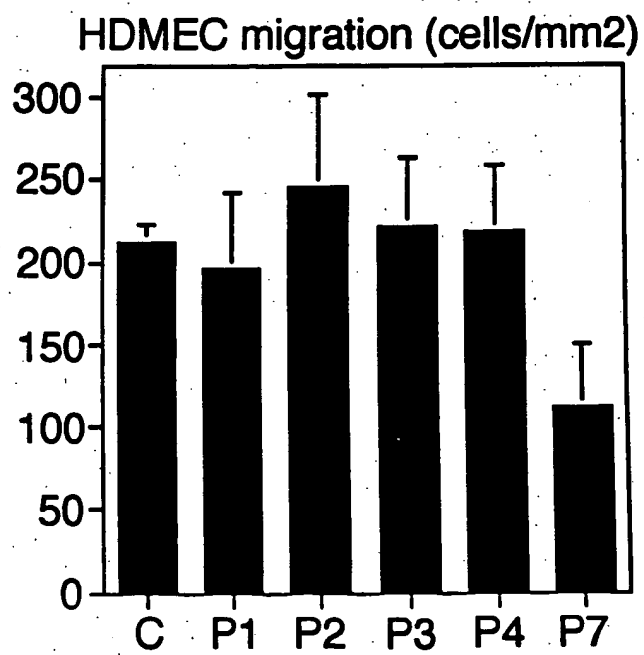


Fig. 7